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by Z. Chen - Cited by 5 - Related articles  
suitable timer to generate time **interrupt** signals, is ...  
modules, and **non-real-time** threads that can have  
full ... wait **queue** for future execution. ... **dispatch** the  
CPU time to **every task** ... accesses condition, the  
device **driver** for IDE disk in our ...

##### Using Windows NT for Real-Time Applications: Experimental ...

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by K Ramamitham - Cited by 67 - Related articles  
of tasks having a variety of **real-time** and **non real-time** re- quirements. 2. ... machine's state and calls  
the **interrupt dispatcher**. The in- ... level is not  
maintained in the DPC **queues**. A DPC is not ... The  
device **driver** then services the **interrupt**. (This  
involves .... ator to provide **commands** and sends  
them out to the remote server. ...

##### Isochronous Scheduling and its Application to Traffic Control

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by M Iwasaki - 1998 - Cited by 21 - Related articles  
Mbps) and **non-real-time** background traffic to coexist  
on an Ethernet .... threads coexist with multiple  
**interrupt** handlers and normal threads. ...  
isochronous **dispatcher**, on the other hand, awakes  
the cy- clic threads .... serializer through a FIFO  
**queue**. Therefore, the .... vice **driver** layer so that the  
filter can suppress the exces- ...

##### Event-driven control program models running on embedded systems

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by J Kopjak  
A. **Real-time** systems. **Non real-time** system are  
usually using in office ... served in a **queue** followed  
each other. in these systems .... **interrupt** periphery  
calls the **interrupt** service routines in ... event-**driver**  
program do not wait for an external event, the  
program react ... initialization part, now only the event  
**dispatcher** function ...

The design and implementation of the intel®  
real-time performance ...

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by L.K. Puthiyedath - 2002 - Cited by 3 - Related  
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software applications and device **drivers**. ... platform  
necessitates measuring OS **interrupt** and thread ...  
for OS services such as the **dispatch** of a kernel  
mode .... priorities in the **non-real-time** range are  
dynamic. ... critical work and **queue** a DPC to transfer  
data to/from the .... local APIC's **Interrupt Command**  
Register [7]. ...

Dynamic integrated scheduling of hard real-  
time, soft real-time and ...

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by SA Brandt - Cited by 125 - Related articles  
Traditional **non-real-time** CPU schedulers serve two  
roles in CPU resource management: resource alloca-  
tion and **dispatching**. Resource allocation  
determines ...

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ON MPACT

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by P. Kalapathy - 1997 - Cited by 38 - Related articles  
ning multimedia tasks with **real-time** ... enabled,  
**interrupt** response times can exceed 100 microsec-  
... For a **real-time** task, this behavior may be  
catastrophic. For .... categories of application, **driver**,  
or firmware. ... er (RM) is **non-real-time** x86-side  
code. .... RDRAM graphics **command queue** never  
fills as Mpack runs ...

Augmented CPU reservations: towards  
predictable execution on ...

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arnumber=929880

by J. Regehr - 2001 - Cited by 43 - Related articles  
**non-real-time** components, and they usually require  
the full services of a ... bottom-half device **driver**  
processing in general-purpose op- ... end of the  
**dispatch interrupt** handler (a software **interrupt**  
handler .... each time the bxnrl drains the DPC  
**queue**) is twice the time .... on DMA for the hard disk  
using the hdparm **command**. ...

VoIP performance on multicore platforms

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by Z. Zhu - 2010 - Cited by 1 - Related articles  
and general **non-real-time** OSs (non-RTOSs) are  
emerging, ... the threading model, using small packets  
and an **interrupt** .... Bpreprocessing and **dispatcher**  
[ block may wait for the signaling .... **driver** issues a  
**command** and posts the packet descriptor to the ....  
**queue**. The dedicated sending thread then sends all  
the packets ...

Time Control Method on Full-Process

Dynamic Real-Time ...

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arnumber...

by X Zhou

The higher requirements have been proposed to  
**dispatching** automation. [13-16) .... **command** to  
change the priority element directive; remove ... The  
**real-time** operating system uses event **driving** as  
the .... **interrupt** priority, but there is only a global  
DPC **queue** in NT, ... supports **non-real time** clock  
and timer of Windows NT. ...

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